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PI 595849. *Triticum turgidum* L.
Cultivar. "MEMDU". PVP 9700008.

The following were developed by F.M. Bourland, University of Arkansas, Dept. of Agronomy, PTSC 115, Fayetteville, Arkansas 72701, United States; Phil Tugwell, University of Arkansas, Entomology Department, Agriculture Building, Fayetteville, Arkansas 72701, United States; R.E. McGowen, Jr., University of Arkansas, Dept. of Agronomy and Plant Sci., Bldg. 115, Fayetteville, Arkansas 72701, United States. Received 10/18/1996.

PI 595850. *Gossypium hirsutum* L.
Breeding. Pureline. ARKOT 8110. GP-663. Pedigree - Tamcot SP21S / PD6520 . Compared to DES 119, higher yields, similar maturity and lint fraction, but less favorable fiber quality. Leaves and stems glabrous. High resistance to tarnished plant bug, *Lygus lineolaris*. As resistant as DES 119 to bollworm (*Helicoverpa zea*) and tobacco budworm (*Heliothis virescens*) complex. Resistant to all U.S. races of *Xanthomonas campestris* pv. *malvacearum*, and as resistant as the resistant check to fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*).

The following were developed by F.M. Bourland, University of Arkansas, Dept. of Agronomy, PTSC 115, Fayetteville, Arkansas 72701, United States; R.E. McGowen, Jr., University of Arkansas, Dept. of Agronomy and Plant Sci., Bldg. 115, Fayetteville, Arkansas 72701, United States; J.T. Johnson, University of Arkansas, Dept. of Agronomy and Plant Sci., Bldg. 115, Fayetteville, Arkansas 72701, United States. Received 10/18/1996.

PI 595851. *Gossypium hirsutum* L.
Breeding. Pureline. ARKOT 8303. GP-664. Pedigree - Miscot 7801 / Miscot 7824. Compared to DES 119, slightly earlier maturing, similar lint fraction and micronaire, and superior fiber length and strength. Leaf pubescence similar to Stoneville 132 and less hirsute than DES 119. Best adapted to silty loam soils of northern Mississippi River delta. As resistant as DES 119 to tarnished plant bug, *Lygus lineolaris*, bollworm (*Helicoverpa zea*), and tobacco budworm (*Heliothis virescens*) complex. Resistant to all U.S. races of *Xanthomonas campestris* pv. *malvacearum*, and as resistant as the resistant check to fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*).

PI 595852. *Gossypium hirsutum* L.
Breeding. Pureline. ARKOT 8102. GP-665. Pedigree - Stoneville 825 / Miscot T8-27. Similar to DES 119 in yield, maturity, lint fraction, and micronaire, but inferior in fiber length, strength, and elongation. Leaf pubescence similar to Stoneville 132 and less hirsute than DES 119. As resistant as DES 119 to tarnished plant bug, *Lygus lineolaris*. Resistant to all U.S. races of *Xanthomonas campestris* pv. *malvacearum*, and as resistant as the resistant check to fusarium wilt (*Fusarium oxysporum* f. sp. *vasinfectum*).

PI 595853. *Gossypium hirsutum* L.